



**BABCOCK IP**  
INTELLECTUAL PROPERTY LAW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Serial Number:** 10/604,996 **Patent**  
**Filed:** August 29, 2003  
**First Named Inventor:** Tsirline  
**Title:** Spatially Selective UHF Near Field Microstrip Coupler Device and RFID Systems Using Device  
**Confirmation Number:**  
**Attorney Docket Number:** 3022

**INFORMATION DISCLOSURE STATEMENT**

Hon. Commissioner of  
Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

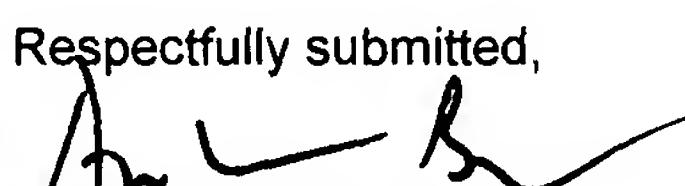
September 2, 2003

Sir:

Applicant submits herewith information of which he is aware, which may be material to the patentability of any claim and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56. The prior art references are set forth on the attached substitute for Form 1449A/PTO. The Applicant respectfully requests that the Examiner give full consideration to the information disclosed herein, make it of record in this Application, and complete and return the enclosed Form PTO-1449.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. While this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to be construed as an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

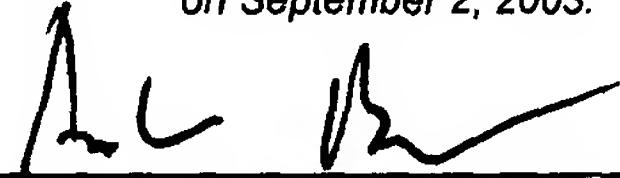
In compliance with 37 CFR § 1.97, this information is submitted prior to the mailing of a first Official Action. Therefore, no fee is due.

Respectfully submitted,  
  
Andrew D. Babcock  
Attorney for Applicant  
Attorney Registration No.: 44517

**BABCOCK IP**

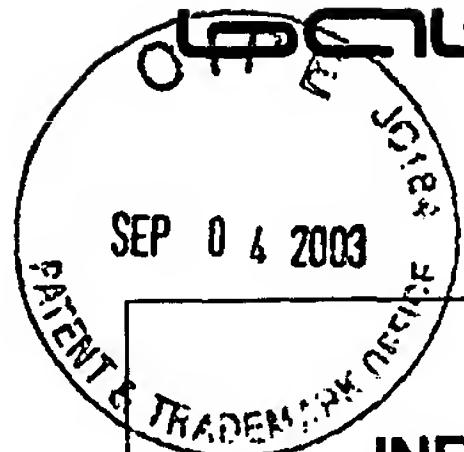
**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450  
on September 2, 2003.



Andrew D. Babcock

encl: Substitute Form 1449



## INTELLECTUAL PROPERTY LAW

SEP 04 2003

BABCOCK IP LLC  
24154 LAKESIDE DRIVE  
LAKE ZURICH, IL 60047-8041  
USA

PTO/SB/08A (10-01)

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**Substitute for form 1449A/PTO**

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/604,996
				Filing Date	8/29/2003
				First Named Inventor	Boris Tsirline
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	3022

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Docket Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 5373266	1994-12-13	Lenzing, et al	
		US- 4509039	1998-04-02	Dowdle	
		US- 5838253	1998-11-17	Wurz, et al	
		US- 5777586	1998-07-07	Luxon, et al	
		US- 6104291	2000-08-015	Beauvillier, et al	
		US- 6246326	2001-06-12	Wiklof, et al	
		US- 6267521	2001-07-31	Lodwig, et al	
		US- 6392544	2002-05-21	Collins, et al	
		US- 5278571	1994-01-11	Helfrick	
		US-			

## **FOREIGN PATENT DOCUMENTS**

<b>Examiner Signature</b>		<b>Date Considered</b>	
-------------------------------	--	----------------------------	--

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

SEP 04 2003

BABCOCK IP LLC  
24154 LAKESIDE DRIVE  
LAKE ZURICH, IL 60047-8041  
USA  
PTO/SB/08B (10-01)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet

1

of

1

Attorney Docket Number

3022

**Complete if Known**

Application Number

10/604,996

Filing Date

8/29/2003

First Named Inventor

Boris Tsirline

Art Unit

Examiner Name

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>		
Examiner Initials <sup>1</sup>	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		K.C. GUPTA, Microstrip Lines and Slotlines, 1996, Artech House Publishers, USA
		MALORATSKY, The Basics of Print Reciprocal Dividers/Combiners, Microwave Journal, September 2000, USA
		MALORATSKY, Reviewing the Basics of Suspended Striplines, Microwave Journal, October 2002, USA
		MALORATSKY, Reviewing the Basics of Microstrip Lines, Microwaves & RF, pp 79-88, March 2000, USA
		MALORATSKY, Improve BPF Performance with Wiggly Coupled Lines, Microwaves & RF, pp 53-62, April 2002, USA
		MALORATSKY, Design Regular-And Irregular-Print Coupled Lines, Microwaves & RF, pp 97-106, September 2000, USA
		MALORATSKY, Couplers Shrink HF/VHF/UHF Designs, Microwaves & RF, pp 93-96, June 2000, USA
		MALORATSKY, Understand the Basics of Microstrip Directional Couplers, Microwaves & RF, pp 79-94, February 2001, USA
		McMILLAN et al, Leaky Fields on Microstrip, Progress in Electromagnetics Research, PIER 17, pp 323-377, 1997, USA

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.